

# List of All Chemicals

## P *Duboisia myoporoides* (Solanaceae)

### Common name(s)

Corkwood Tree; Pituri

### How used

Medicinal

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
(-)-HYOSCYAMINE	Tissue Culture	--	--		*
(-)-PELLETIERINE	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
3-ALPHA-TIGLOYLOXYTROPANE	Shoot	--	--		*
3-HYDROXYDOTRIACONTAN-28-ONE	Shoot	--	15.0		*
6-BETA-HYDROXYHYOSCYAMINE	Root	--	--		*
6-BETA-HYDROXYHYOSCYAMINE	Leaf	--	--		*
6-HYDROXY-APOATROPINE	Root	--	--		*
6-HYDROXYHYOSCYAMINE	Leaf	--	--		*
6-METHYL-DOTRIACONTANE	Shoot	--	833.0		*
8-HYDROXYDOTRIACONTAN-30-ONE	Shoot	--	2.0		*
ACETOXYTROPINE	Root	--	--		*
ACETYLATROPINE	Root	--	--		*
ACETYLTROPINE	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
ALKALOIDS	Leaf	--	20000.0	0.73	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
ALPHA-POROIDINE	Shoot	--	--		*
ANABASINE	Stem	--	--		*

### Activities (6)

Antismoking

Insecticide UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.

Myorelaxant

Pesticide

Respirastimulant Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Sialogogue

ANABASINE

Root -- 22.0 \*

### Activities (6)

Antismoking

Insecticide UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.

Myorelaxant

Pesticide

## Sialogogue

ANABASINE	Leaf	--	0.002	*
<b>Activities (6)</b>				
Antismoking				
Insecticide	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.			
Myorelaxant				
Pesticide				
Respirastimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Sialogogue				
ANABASINE	Sprout Seedling	--	--	*
<b>Activities (6)</b>				
Antismoking				
Insecticide	UNESCO. 1960. Medicinal Plants of the Arid Zones. eds.(botany) I.C. Chopra, B.K. Abrol and K.L. Hands; eds (pharmacology), R. Paris and G. Dillemann UNESCO, Place de Fontenoy, Paris 7E. 96 pp.			
Myorelaxant				
Pesticide				
Respirastimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Sialogogue				
ANATABINE	Leaf	--	--	*
ANTABASINE	Stem	--	--	*
APOATROPINE	Root	--	--	*
<b>Activities (2)</b>				
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Respiradepressant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
APOATROPINE	Leaf	--	--	*
<b>Activities (2)</b>				
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Respiradepressant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
APOHYOSCINE	Leaf	--	--	*
APOS COPOLAMINE	Root	--	--	*
APOS COPOLAMINE	Leaf	--	--	*
APOS COPOLAMINE	Shoot	--	--	*
ATROPINE	Stem	--	0.002	-1.0
<b>Activities (51)</b>				
Allergenic				
Analgesic				
Anesthetic	Martindale's 29th			
Anhydrotic				
Antianoxic	Martindale's 29th			
Antiarrhythmic	400-1,000 ug			
Antiastrhomatic	Martindale's 28th			
Antibradycardic	300-600 ug/ims/man/day			
Anticholinergic	0.55 mg/kg orl mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.		
Anticholinergic	10 mg/kg orl rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.		
Antidote (Anticholinesterase)	2 mg/man/ims	Martindale's 29th		
Antidote (Black Widow)		Martindale's 29th		
Antidote (Lobelia)	2 mg scu	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).		

Antidote (Mushroom)	Martindale's 30th
Antidote (Organophosphorus) 2-10 mg/ims/man	Martindale's 29th
Antidote (Poison Gas)	
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiemphysemic	Martindale's 29th
Antienuretic	Martindale's 28th
Antiherpetic	
Antiiritic	Martindale's 30th
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 29th
Antiperistaltic	
Antiperspirant	Martindale's 29th
Antipertussic	Martindale's 29th
Antipolio	
Antisialagogue	Martindale's 28th
Antispasmodic	Merck 11th Edition
Antiulcer 500 ug/3 x/day/man	Martindale's 28th
Antiuveitic	Martindale's 30th
Antivertigo	
Antiviral	
Bronchodilator	
CNS-Depressant	Martindale's 28th
CNS-Stimulant	
Choleretic	
Hyperpyrexic	Merck 11th Edition
Insecticide	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Mydriatic	Merck 11th Edition
Myorelaxant	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. <i>This and That: The Essential Pharmacology of Herbs and Spices</i> . Tips 13:15-20 Huxtable, R.J. 1992b. <i>The Myth of Benficial Nature. The Risk of Herbal Preparations</i> . Anns. Intern. Med. 117(2):165-6; Huxtable, R.
Paralytic	
Pesticide	
Psychotomimetic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. <i>This and That: The Essential Pharmacology of Herbs and Spices</i> . Tips 13:15-20 Huxtable, R.J. 1992b. <i>The Myth of Benficial Nature. The Risk of Herbal Preparations</i> . Anns. Intern. Med. 117(2):165-6; Huxtable, R.
Tachycardic 2 mg/orl/man	Martindale's 28th
Transdermal	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Tumorigenic	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Vasodilator	Merck 11th Edition

ATROPINE Leaf -- 0.001 -1.0 \*

#### Activities (51)

Allergenic	
Analgesic	
Anesthetic	Martindale's 29th
Anhydrotic	
Antianoxic	Martindale's 29th
Antiarrhythmic 400-1,000 ug	
Antiasthmatic	Martindale's 28th
Antibradycardic 300-600 ug/ims/man/day	Martindale's 28th
Anticholinergic 0.55 mg/kg orl mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
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Antidote (Anticholinesterase) 2 mg/man/ims	Martindale's 29th
Antidote (Black Widow)	Martindale's 29th
Antidote (Lobelia) 2 mg scu	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
Antidote (Muscarine)	
Antidote (Mushroom)	Martindale's 30th
Antidote (Organophosphorus) 2-10 mg/ims/man	Martindale's 29th
Antidote (Poison Gas)	
Antidote (Tetrodotoxin)	

Antiemphysemic	Martindale's 29th
Antenuretic	Martindale's 28th
Antiherpetic	
Antiiritic	Martindale's 30th
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 29th
Antiperistaltic	
Antiperspirant	Martindale's 29th
Antipertussic	Martindale's 29th
Antipolio	
Antisialogogue	Martindale's 28th
Antispasmodic	Merck 11th Edition
Antulcer 500 ug/3 x/day/man	Martindale's 28th
Antiuveitic	Martindale's 30th
Antivertigo	
Antiviral	
Bronchodilator	
CNS-Depressant	Martindale's 28th
CNS-Stimulant	
Choleretic	
Hyperpyrexic	Merck 11th Edition
Insecticide	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
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Pesticide	
Psychotomimetic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. <i>This and That: The Essential Pharmacology of Herbs and Spices</i> . Tips 13:15-20 Huxtable, R.J. 1992b. <i>The Myth of Benign Nature. The Risk of Herbal Preparations</i> . Ann. Intern. Med. 117(2):165-6; Huxtable, R.
Tachycardic 2 mg/orl/man	Martindale's 28th
Transdermal	Duke, J. A. Write ups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Tumorigenic	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Vasodilator	Merck 11th Edition

ATROPINE Root -- -- \*

#### Activities (51)

Allergenic	
Analgesic	
Anesthetic	Martindale's 29th
Anhydrotic	
Antianoxic	Martindale's 29th
Antiarrhythmic 400-1,000 ug	
Antiasthmatic	Martindale's 28th
Antibradycardic 300-600 ug/ims/man/day	Martindale's 28th
Anticholinergic 0.55 mg/kg orl mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
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Antidote (Black Widow)	Martindale's 29th
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Antidote (Mushroom)	Martindale's 30th
Antidote (Organophosphorus) 2-10 mg/ims/man	Martindale's 29th
Antidote (Poison Gas)	
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiemphysemic	Martindale's 29th
Antenuretic	Martindale's 28th
Antiherpetic	
Antiiritic	Martindale's 30th
Antimuscarinic	Martindale's 29th

Antiperistaltic				
Antiperspirant	Martindale's 29th			
Antipertussic	Martindale's 29th			
Antipolio				
Antisialogogue	Martindale's 28th			
Antispasmodic	Merck 11th Edition			
Antiulcer 500 ug/3 x/day/man	Martindale's 28th			
Antiuveitic	Martindale's 30th			
Antivertigo				
Antiviral				
Bronchodilator				
CNS-Depressant	Martindale's 28th			
CNS-Stimulant				
Choleretic				
Hyperpyrexic	Merck 11th Edition			
Insecticide	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.			
Mydriatic	Merck 11th Edition			
Myorelaxant	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).			
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Pesticide				
Psychotomimetic	R.J. Hixtable (Huxtable, R.J. (as T. Max)). 1992. <i>This and That: The Essential Pharmacology of Herbs and Spices</i> . Tips 13:15-20 Huxtable, R.J. 1992b. <i>The Myth of Benign Nature</i> . The Risk of Herbal Preparations. Anns. Intern. Med. 117(2):165-6; Huxtable, R.			
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Tumorigenic	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.			
Vasodilator	Merck 11th Edition			

## BETULONIC-ACID

BETULONIC-ACID	Shoot	--	100.0	*
BUTROPINE	Shoot	--	--	*
BUTROPINE	Leaf	--	--	*
CHLOROPHYLL	Leaf	--	--	*

## Activities (21)

Antibacterial				
Anticancer	Joseph, J., Nadeau, D. and Underwood, A. 2001. <i>The Color Code</i> . Hyperion, NY.			
Anticancer (Colon)	Joseph, J., Nadeau, D. and Underwood, A. 2001. <i>The Color Code</i> . Hyperion, NY.			
Anticancer (Liver)	Joseph, J., Nadeau, D. and Underwood, A. 2001. <i>The Color Code</i> . Hyperion, NY.			
Antidecubitic				
Antihalitotic				
Antimennorrhagic 25 mg/day/wmn/orl	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antimutagenic	Lawson, T., J. Nunnally, B. Walker, E. Bresnick, D. Wheeler, and M. Wheeler. 1989. Isolation of compounds with antimutagenic activity from savoy chieftain cabbage. <i>J. Agric. Food Chem.</i> 37:1363-1367.			
Antiotitic				
Antioxidant				
Antirhinitic				
Antisinusitic				
Antiulcer				
Cancer-Preventive	Stitt, P. A. <i>Why George Should Eat Broccoli</i> . Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Colorant	Martindale's 28th			
Deodorant	Merck 11th Edition			
Dye				
Oxidant				
Perfumery	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.			
Pesticide				
Vulnerary				

## CUSCOHYGRINE

CUSCOHYGRINE	Root	--	--	*
DL-ISOPELLETIERINE	Leaf	--	--	List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
DOTRIACONTAN-1-OL	Shoot	--	14.0	*
FATTY-ACIDS	Leaf	--	--	*

## TETRATACONTANOATE

HYGRINE	Leaf	--	1900.0	*
HYGRINE	Root	--	--	*
HYOSCINE	Sprout Seedling	--	--	*
HYOSCYAMINE	Leaf	--	0.001	-1.0

## Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Anticholinergic 150-300 ug 4 x/day/man	Martindale's 29th
Antidote (Anticholinesterase)	Martindale's 29th
Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, Londón. 791 pp.
Antiherpetic	
Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuronal	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, Londón. 791 pp.
Antipolio	
Antisialogogue	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, Londón. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, Londón. 791 pp.
Cardiotonic	
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, Londón. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

HYOSCYAMINE	Sprout Seedling	--	--	*
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## Activities (27)

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Antipolio	
Antisialogogue	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, Londón. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.

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Photophobigenic	
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Sedative	
Toxic	

HYOSCYAMINE Shoot -- -- \*

#### Activities (27)

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Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuronalgic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
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Cardiotonic	
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Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

HYOSCYAMINE Tissue Culture 26.0 910.0 \*

#### Activities (27)

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Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	

Antiviral					
Bronchodilator					
Bronchorelaxant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.				
CNS-Depressant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.				
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.				
Cardiotonic					
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.				
Pesticide					
Photophobigenic					
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.				
Sedative					
Toxic					

HYOSCYAMINE	Root	--	152.0	-1.19	*
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#### Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Anticholinergic 150-300 ug 4 x/day/man	Martindale's 29th
Antidote (Anticholinesterase)	Martindale's 29th
Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antiherpetic	
Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuralgic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Cardiotonic	
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

HYOSCYAMINE	Stem	--	0.001	*
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#### Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Anticholinergic 150-300 ug 4 x/day/man	Martindale's 29th
Antidote (Anticholinesterase)	Martindale's 29th
Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antiherpetic	
Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuralgic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, Londón. 791 pp.

Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Cardiotonic	
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

ISOPOROIDINE	Leaf	--	--	List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
L-ANABASINE	Leaf	--	--	*
NICOTINE	Sprout Seedling	--	--	*

#### Activities (21)

ANS-Paralytic	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
ANS-Stimulant	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Addictive	
Analgesic 2 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Anorectic	
Antiestrogenic	Economic & Medicinal Plant Research, 6: 189.
Antifeedant	
Antifumitory	Economic & Medicinal Plant Research, 6: 189.
Cardiovascular 0.25 mg/kg ivn dog	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Cholinergic	
Dopaminogenic	
Ectoparasiticide	Merck 11th Edition
Epinephrinergic	
Herbicide IC57=5 mM	Lydon, J. & Duke, S., <i>The potential of pesticides from plants</i> , pp. 1-41 in Craker, L. & Simon, J., eds, <i>Herbs, Spices &amp; Medicinal Plants: Recent Advances in Botany, Horticulture, &amp; Pharmacology</i> , v. 4, Oryx Press, Phoenix, 1989, 267pp.
Hyperglycemic	
Insecticide IC100=1,000 ppm	Lydon, J. & Duke, S., <i>The potential of pesticides from plants</i> , pp. 1-41 in Craker, L. & Simon, J., eds, <i>Herbs, Spices &amp; Medicinal Plants: Recent Advances in Botany, Horticulture, &amp; Pharmacology</i> , v. 4, Oryx Press, Phoenix, 1989, 267pp.
Nematostat	Nigg, H.N. and Seigler, D.S., eds. 1992. <i>Phytochemical Resources for Medicine and Agriculture</i> . Plenum Press, New York. 445 pp.
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max)). 1992. <i>This and That: The Essential Pharmacology of Herbs and Spices. Tips 13:15-20</i> Huxtable, R.J. 1992b. <i>The Myth of Benificent Nature. The Risk of Herbal Preparations</i> . Ann. Intern. Med. 117(2):165-6; Huxtable, R.
Pesticide	
Serotonergic	
Tranquilizer	

#### NICOTINE

Stem	--	--	*
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#### Activities (21)

ANS-Paralytic	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
ANS-Stimulant	Williamson, E. M. and Evans, F. J., <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Addictive	
Analgesic 2 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Anorectic	
Antiestrogenic	Economic & Medicinal Plant Research, 6: 189.
Antifeedant	
Antifumitory	Economic & Medicinal Plant Research, 6: 189.
Cardiovascular 0.25 mg/kg ivn dog	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Cholinergic	
Dopaminogenic	

Epinephrinergic				
Herbicide IC57=5 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.			
Hyperglycemic				
Insecticide IC100=1,000 ppm	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.			
Nematistat	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.			
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That: The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Ann. Intern. Med. 117(2):165-6; Huxtable, R.			
Pesticide				
Serotonergic				
Tranquilizer				

NICOTINE Root -- -- \*

#### Activities (21)

ANS-Paralytic	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
ANS-Stimulant	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Addictive	
Analgesic 2 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Anorectic	
Antiestrogenic	Economic & Medicinal Plant Research, 6: 189.
Antifeedant	
Antifumitory	Economic & Medicinal Plant Research, 6: 189.
Cardiovascular 0.25 mg/kg ivn dog	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Cholinergic	
Dopaminogenic	
Ectoparasiticide	Merck 11th Edition
Epinephrinergic	
Herbicide IC57=5 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
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Insecticide IC100=1,000 ppm	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
Nematistat	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That: The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Ann. Intern. Med. 117(2):165-6; Huxtable, R.
Pesticide	
Serotonergic	
Tranquilizer	

NICOTINE Leaf -- 1700.0 -0.66 \*

#### Activities (21)

ANS-Paralytic	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
ANS-Stimulant	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Addictive	
Analgesic 2 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Anorectic	
Antiestrogenic	Economic & Medicinal Plant Research, 6: 189.
Antifeedant	
Antifumitory	Economic & Medicinal Plant Research, 6: 189.
Cardiovascular 0.25 mg/kg ivn dog	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Cholinergic	
Dopaminogenic	
Ectoparasiticide	Merck 11th Edition
Epinephrinergic	
Herbicide IC57=5 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
Hyperglycemic	
Insecticide IC100=1,000 ppm	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
Nematistat	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That: The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature. The Risk of Herbal Preparations. Ann. Intern. Med. 117(2):165-6; Huxtable, R.
Pesticide	

**Tranquilizer**

NORATROPINE	Shoot	--	--	*
NORHYOSCYAMINE	Leaf	--	--	*
NORNICOTINE	Stem	--	--	*
NORNICOTINE	Root	--	32.0	*
NORNICOTINE	Leaf	--	0.001	*
NORNICOTINE	Sprout Seedling	--	--	*
NORSCOPOLAMINE	Shoot	--	--	*
PENTATRIACONTAN-4-ONE	Shoot	--	6.3	*
PHOSPHODIESTERASE	Tissue Culture	--	--	*
POROIDINE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
PROPYONYL-OXYTROPOANE	Root	--	--	*
SCOPOLAMINE	Tissue Culture	76.0	3929.0	*

**Activities (41)**

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialogogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispermatorrheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitogenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Tachycardic

Martindale's 29th

## SCOPOLAMINE

Plant -- -- \*

## Activities (41)

Allergenic

Amnesigenic 600 ug/man/ivn Martindale's 29th

Analgesic

Anesthetic Martindale's 28th

AntiMeniere's Martindale's 29th

Antianoxic Martindale's 29th

Antiasthmatic

Anticholinergic 1.5 mg/kg orl rat

Anticonvulsant 5 mg/kg ipr mus Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Antideliriant Martindale's 28th

Antidote (Anticholinesterase) Martindale's 29th

Antidote (Tetrodotoxin)

Antiemetic Martindale's 29th

Antiherpetic

Antihiccup 300 ug/man/ Martindale's 28th

Antiinflammatory

Antimanic Martindale's 29th

Antimeasles

Antimuscarinic Martindale's 29th

Antiparkinsonian Martindale's 28th

Antipolio

Antisialogogue Martindale's 29th

Antispasmodic Jefferay B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor &amp; Frost, London. 791 pp.

Antispasmodic

Antispermatorrhic Martindale's 29th

Antiulcer

Antivertigo 500 ug/3-days/transdermal Martindale's 29th

Antiviral

Bronchodilator

CNS-Depressant Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.

Cardiodepressant

Cyclopegic Martindale's 29th

Dermatitogenic

Hyperkinetic 1 mg/kg ipr mus

Hypnotic Martindale's 28th

Mydriatic 1 mg/kg scu

Photophobigenic

Preanesthetic Merck 11th Edition

Psychoactive

Sedative 0.5-1 mg/orl/man ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Sedative 13 mg/kg scu rat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Tachycardic Martindale's 29th

## SCOPOLAMINE

Leaf -- 0.001 -0.96 \*

## Activities (41)

Allergenic

Amnesigenic 600 ug/man/ivn Martindale's 29th

Analgesic

Anesthetic Martindale's 28th

AntiMeniere's Martindale's 29th

Antianoxic Martindale's 29th

Antiasthmatic

Anticholinergic 1.5 mg/kg orl rat

Anticonvulsant 5 mg/kg ipr mus Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Antideliriant Martindale's 28th

Antidote (Anticholinesterase) Martindale's 29th

Antidote (Tetrodotoxin)

Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialogogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispermatorrheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitigenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLAMINE	Sprout	--	--	*
	Seedling			

#### Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialogogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispermatorrheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	

Dermatogenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

Stem -- --

## Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialogogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispermatorrheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitogenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

Shoot -- --

## Activities (41)

Allergenic	Martindale's 29th
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	Martindale's 29th
Anesthetic	Martindale's 29th

Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialagogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, Londón. 791 pp.
Antispermatorrhic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitigenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLAMINE Root -- 36.0 -0.77 \*

#### Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialagogue	Martindale's 29th
Antospasmodic	Jeffery B. Harborne and H. Baxter. eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost.

Antispermatorheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopeptic	Martindale's 29th
Dermatitigenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLETIN Shoot -- -- Plouvier, V. 1987. Occurrence and distribution of syringoside, skimmin and similar coumarin glycosides and loganin in several botanical groups. *C. R. Acad. Sci. Ser. III*, 305(6): 183-186.

#### Activities (44)

Aldose-Reductase-Inhibitor IC50=6.2 ug/ml cow	Okada,Y,et al.1995.Search for Naturally Occurring Substances to Prevent the Complications of Diabetes.II.Inhibitory Effect of Coumarin and Flavonoid Derivatives on Bovine Lens Aldose Reductase and Rabbit Platelet Aggregation.Chem Pharm Bull43(8):1385-1387
Allelochemical IC89=2 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology, v. 4, Oryx Press, Phoenix, 1989, 267pp.
Analgesic	
Anesthetic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Antiadrenergic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
Antiaflatoxin IC50=65 uM	
Antiaflatoxin 11.4 ppm	
Antiarrhythmic	
Antiasthmatic	
Antibacterial	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antibronchoconstrictor	
Anticholinergic	
Antiedemic	
Antifeedant	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Antihepatotoxic	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
Antiinflammatory ED 1-10 ug/ear	
Antileukotrieneogenic	
Antimutagenic	Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livingston, Edinburgh.
Antioxidant	
Antiproliferant	
Antiprostaglandin	
Antiseptic	
Antispasmodic	
Antitumor 2.9 ug/ml	
Apoptotic	
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburgh & London. 1457 pp.
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Cholagogue	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart. 393 pp.
Choleretic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
Cytotoxic	
Fungicide 2 mM	
Hepatoprotective	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart. 393 pp.
Herbicide	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Hypoglycemic	Economic & Medicinal Plant Research, 6: 165
Hypotensive	
MAO-Inhibitor	
Musculotropic	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart. 393 pp.

Pesticide				
Phytoalexin				
Phytohormonal	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Uterosedative	Williamson, E. M. and Evans, F. J. Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.			
SCOPOLIN	Shoot	--	--	Plouvier, V. 1987. Occurrence and distribution of syringoside, skimin and similar coumarin glycosides and loganin in several botanical groups. <i>C. R. Acad. Sci. Ser. III</i> , 305(6): 183-186.
<b>Activities (3)</b>				
Anticholinergic	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.			
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.			
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.			
TETRAMETHYLPUTRESCINE	Root	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
TETRATRIACANTANOIC-ACID	Shoot	--	76.0	*
TIGLOIDINE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<b>Activities (7)</b>				
Anticholinergic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antimuscarinic	Martindale's 29th			
Antiparkinsonian 333-667 mg/3x/man/day/orl	Martindale's 29th			
Antispasmodic	Martindale's 29th			
CNS-Depressant	Merck 11th Edition			
Myorelaxant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Sedative				
TIGLOYLTROPINE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
TROPINE	Leaf	--	--	*
<b>Activities (1)</b>				
Toxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
TROPINE	Root	--	--	*
<b>Activities (1)</b>				
Toxic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
TROPINE-NONANOATE	Leaf	--	--	*
TROPINONE	Root	--	--	*
URSOLIC-ACID	Shoot	--	10.0 -0.74	*
<b>Activities (89)</b>				
Analgesic				
AntiEBV	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.			
AntiHIV EC50=2.0 ug/ml	Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. <i>J. Nat. Prod.</i> , 61 (9): 1090-1095.			
AntiHIV IC50=6.5 ug/ml	Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. <i>J. Nat. Prod.</i> , 61 (9): 1090-1095.			
AntiHIV IC85=18 ug/ml				
AntiHIV 6.7 uM				
AntiTGF-beta IC50=6-7.5 uM				
Antialzheimeran	Ringbom, T., Seguar, L., Noreen, Y., Perera, P., Bohlin, L. 1998. Ursolic Acid from <i>Plantago major</i> , a Selective Inhibitor of Cyclooxygenase-2 Catalyzed Prostaglandin Biosynthesis. <i>J. Nat. Prod.</i> , 61(10): 1212-1215.			
Antiarrhythmic				
Antiarthritic	Planta Medica, 57: A56, 1991.			
Antibacterial				
Anticancer	Ringbom, T., Seguar, L., Noreen, Y., Perera, P., Bohlin, L. 1998. Ursolic Acid from <i>Plantago major</i> , a Selective Inhibitor of Cyclooxygenase-2 Catalyzed Prostaglandin Biosynthesis. <i>J. Nat. Prod.</i> , 61(10): 1212-1215.			
Anticancer (Colon)	Ringbom, T., Seguar, L., Noreen, Y., Perera, P., Bohlin, L. 1998. Ursolic Acid from <i>Plantago major</i> , a Selective Inhibitor of Cyclooxygenase-2 Catalyzed Prostaglandin Biosynthesis. <i>J. Nat. Prod.</i> , 61(10): 1212-1215.			

Anticariogenic	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Anticholestatic 28-100 mg/kg orl	Shukla, B., Visen, P.K.S., Patnaik, G.K., Tripathi, S.C., Srimal, R.C., Dayal, R., and Dobhal, P.C. Hepatoprotective Activity in the Rat of Ursolic Acid Isolated from Eucalyptus Hybrid. <i>Phytotherapy Research</i> 6: 74-79, 1992.
Anticomplement IC100 0.1 mM/ gpg	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. <i>Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D)</i> , 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Anticomplement IC80-90 0.05 mM/l gpg	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. <i>Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D)</i> , 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Antidiabetic	Chemical Constituents of Oriental Herbs (3 diff. books)
Antiedemic	
Antiescherichic	
Antifibrosarcomic IC80=10 uM	
Antihepatotoxic 5-20 mg/kg ipr	Shukla, B., Visen, P.K.S., Patnaik, G.K., Tripathi, S.C., Srimal, R.C., Dayal, R., and Dobhal, P.C. Hepatoprotective Activity in the Rat of Ursolic Acid Isolated from Eucalyptus Hybrid. <i>Phytotherapy Research</i> 6: 74-79, 1992.
Antihistaminic	Tsuruga, T., Chun, Y-T., Ebizuka, Y., and Sankawa, U. 1991. Biologically Active Constituents of Melaleuca leucadendron: Inhibitors of Induced Histamine Release from Rat Mast Cells. <i>Chem. Pharm. Bull.</i> 39(12): 3276-3278, 1991.
Antihyperlipidemic	
Antiinflammatory 1/3 indomethacin	
Antiinflammatory IC24=500 mg/kg	
Antileishmanic ED50=20 uM	
Antileukemic IC50=2.5-17.8 ug/ml	
Antilymphomtic	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
Antimalarial IC50=28-37 ug/ml	
Antimetastatic IC80=10 uM	
Antimutagenic IC57-80=80 mg/kg	
Antinephritic IC50=6-7.5 uM	
Antiobesity?	<i>Internat. J. Oriental Med.</i> 16: 4.
Antioxidant IC50=10 uM	
Antiperoxidant IC35=200 ug/ml	
Antiplasmodial IC50=28-37 ug/ml	
Antiproliferative IC50=15-20 uM	
Antistaphylococcic	
Antithromboxane IC50=50 uM	
Antitrypanosomic	
Antitumor	<i>Cancer Research</i> , 54: 701, 1994.
Antitumor (Breast) 0.5% diet	
Antitumor (Breast) IC50=15-20 uM	
Antitumor (Cervix)	Chiang, L. C., Chiang, W., Chang, M. Y., Ng, L. T., Lin, C. C. 2003. Antileukemic activity of selected natural products in Taiwan. <i>Am J Chin Med</i> , 31(1):37-46.
Antitumor (Colon)	
Antitumor (Lung)	
Antitumor (Ovary)	Chiang, L. C., Chiang, W., Chang, M. Y., Ng, L. T., Lin, C. C. 2003. Antileukemic activity of selected natural products in Taiwan. <i>Am J Chin Med</i> , 31(1):37-46.
Antitumor (Stomach) IC50=15-20 uM	
Antitumor (brain)	Chiang, L. C., Chiang, W., Chang, M. Y., Ng, L. T., Lin, C. C. 2003. Antileukemic activity of selected natural products in Taiwan. <i>Am J Chin Med</i> , 31(1):37-46.
Antitumor-Promoter	<i>Planta Medica</i> , 57: A56, 1991.
Antiulcer	Shukla, B., Visen, P.K.S., Patnaik, G.K., Tripathi, S.C., Srimal, R.C., Dayal, R., and Dobhal, P.C. Hepatoprotective Activity in the Rat of Ursolic Acid Isolated from Eucalyptus Hybrid. <i>Phytotherapy Research</i> 6: 74-79, 1992.
Antiviral IC85=18 ug/ml	
Aromatase-Inhibitor	
Beta-Blocker	
Beta-Glucuronidase-Inhibitor ~100 mg/kg	
CNS-Depressant	
COX-2-Inhibitor IC50=130 uM/	
Cancer-Preventive	Stitt, P. A. <i>Why George Should Eat Broccoli</i> . Dougherty Co, Milwaukee, WI, 1990, 399 pp.
Candidicide	
Cardioprotective	
Cardiotonic	
Choleretic 5-20 mg/kg orl	Shukla, B., Visen, P.K.S., Patnaik, G.K., Tripathi, S.C., Srimal, R.C., Dayal, R., and Dobhal, P.C. Hepatoprotective Activity in the Rat of Ursolic Acid Isolated from Eucalyptus Hybrid. <i>Phytotherapy Research</i> 6: 74-79, 1992.
Cyclooxygenase-Inhibitor	Ringbom, T., Seguar, L., Noreen, Y., Perera, P., Bohlin, L. 1998. Ursolic Acid from Plantago major, a Selective Inhibitor of Cyclooxygenase-2 Catalyzed Prostaglandin Biosynthesis. <i>J. Nat. Prod.</i> , 61(10): 1212-1215.

Cytotoxic ED50=3.75 ug/ml	
Cytotoxic 7.2 uM	
Diuretic	
Elastase-Inhibitor IC50=~15 uM	
Hepatoprotective 1-100 ug/ml	
Hepatoprotective 10 mg/kg	
Hypoglycemic	Ivorra, M.D., Paya, M., and Villar, A. 1989. A Review of Natural Products and Plants as Potential Antidiabetic Drugs. <i>Journal of Ethnopharmacology</i> , 27: 243-275, 1989.
Hypotensive	
Immunomodulator	
Leucocytogenic	
Lipoxygenase-Inhibitor IC50=0.18 mM	
MMP-9-Inhibitor IC80=10 uM	
Ornithine-Decarboxylase-Inhibitor	
Pesticide	
Piscicide	
Potassium-Sparing 3 mg/rat	Iwu, M.M. 1993. <i>Handbook of African Medicinal Plants</i> . CRC Press, Boca Raton, FL 435 pp.
Protease-Inhibitor IC85=18 ug/ml	
Protisticide	Chemical Express, 7: 285, 1992.
Quinone-Reductase-Inducer 5 ug/ml	Lee, S. K., Song, Y., Mata-Greenwood, E., Kelloff, G. J., Steele, V. E., Pezzuto, J. M. 1999. Modulation of in vitro Biomarkers of the Carcinogenic Process by Chemopreventive Agents. <i>Anticancer Res.</i> , 19: 35-44.
Sodium-Sparing 3 mg/rat	Iwu, M.M. 1993. <i>Handbook of African Medicinal Plants</i> . CRC Press, Boca Raton, FL 435 pp.
TOPO-2-Inhibitor	
Trypanocide	
Vaspressor	

VALERODININE	Leaf	--	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
VALEROIDINE	Root	--	--	*
VALEROIDINE	Shoot	--	--	*
VALTROPINE	Shoot	--	--	*
VALTROPINE	Leaf	--	--	*